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IFWS

PATENT APPLICATION

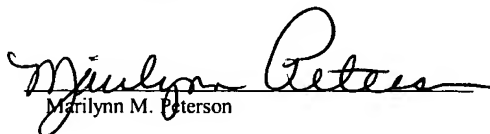
*IN THE UNITED STATES PATENT AND TRADEMARK OFFICE*

Group  
Art Unit: 2862  
  
Attorney  
Docket No.: 121051-0006  
  
Applicants: John KITCHING, et al  
  
Invention: MICROMACHINED ALKALI-ATOM VAPOR  
CELLS AND METHOD OF FABRICATION  
  
Serial No: 10/821,236  
  
Filed: 04/08/2004  
  
Examiner: Unknown

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231

on 10/12/2004

  
Marilynn M. Peterson

RESPONSE TO NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

Submission Of Executed Declaration For  
Volodja Velichanski

Mail Stop Missing Parts  
Commission For Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

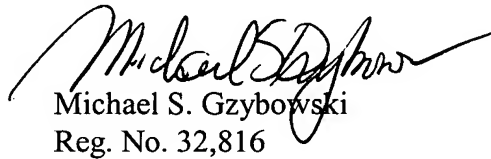
In response to the Notice Of Incomplete Reply mailed September 17, 2004 in connection with the above-identified application, enclosed herewith is the signed and dated Declaration together with a copy of the Notice to File Missing Parts of Nonprovisional Application.

The Commissioner of Patent is authorized to charge Deposit Account No. 12-2136 to Butzel Long \$430.00 to cover a petition for a 2-month extension of time under 37 CFR §1.136.

Please charge the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 12-2136 and please credit any excess fees to such deposit account.

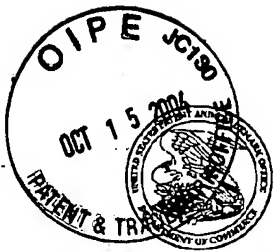
It is believed that by submitting the signed and dated Declaration together with the requisite extension of time fees, the above-identified application is complete and may be processed for examination.

Respectfully submitted,



Michael S. Gzybowski  
Reg. No. 32,816

BUTZEL LONG  
350 South Main Street  
Suite 300  
Ann Arbor, Michigan 48104  
(734) 995-3110



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/821,236	04/08/2004	John Kitching	121051-0006

35684  
BUTZEL LONG  
350 SOUTH MAIN STREET  
SUITE 300  
ANN ARBOR, MI 48104

CONFIRMATION NO. 9563

FORMALITIES LETTER



\*OC000000013838328\*

Date Mailed: 09/17/2004

NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

*Filing Date Granted*

The U.S. Patent and Trademark Office has received your reply on 08/20/2004 to the Notice to File Missing Parts (Notice) mailed 06/23/2004 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice.

The period of reply remains as set forth in the Notice. You may, however, obtain EXTENSIONS OF TIME under the provisions of 37 CFR 1.136 (a) accompanied by the appropriate fee (37 CFR 1.17(a)).

A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application. Replies should be mailed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

- The signature of the following inventor(s) is missing from the oath or declaration:  
*Volodja Velichanski*

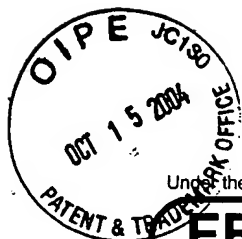
Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) \$430.00

## Complete if Known

Application Number	10/821,236
Filing Date	04/08/2004
First Named Inventor	John KITCHING, et al
Examiner Name	Unknown
Art Unit	2862
Attorney Docket No.	121051-0006

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 12-2136

Deposit Account Name BUTZEL LONG

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

### 2. EXTRA CLAIM FEES FOR UTILITY AND

Extra Claims		Fee from below		Fee Paid
Total Claims	<input type="text"/> -20** = <input type="text"/> 0	X	<input type="text"/>	= <input type="text"/> 0.00
Independent Claims	<input type="text"/> -3** = <input type="text"/> 0	X	<input type="text"/>	= <input type="text"/> 0.00
Multiple Dependent			<input type="text"/>	= <input type="text"/>

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	88	2201	44	Independent claims in excess of 3
1203	300	2203	150	Multiple dependent claim, if not paid
1204	88	2204	44	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) \$0.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non - English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	430	2252	215	Extension for reply within second month	430.00
1253	980	2253	490	Extension for reply within third month	
1254	1,530	2254	765	Extension for reply within fourth month	
1255	2,080	2255	1,040	Extension for reply within fifth month	
1401	340	2401	170	Notice of Appeal	
1402	340	2402	170	Filing a brief in support of an appeal	
1403	300	2403	150	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,370	2453	685	Petition to revive - unintentional	
1501	1,370	2501	685	Utility issue fee (or reissue)	
1502	490	2502	245	Design issue fee	
1503	660	2503	330	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR § 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Statement	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)					

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) \$430.00

## SUBMITTED BY

Name (Print/Type)	Michael S. Gzybowski	Registration No. (Attorney/Agent)	32,816	Telephone	734.995.3110
Signature		Date	10/12/2004		

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**Applicant(s): **John KITCHING, et al**

Docket No.

**121051-0006**

Application No.

**10/821,236**

Filing Date

**04/08/2004**

Examiner

**Unknown**

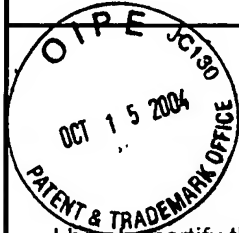
Customer No.

**35684**

Group Art Unit

**2862**

Invention:

**MICROMACHINED ALKALI-ATOM VAPOR CELLS AND METHOD OF FABRICATION**

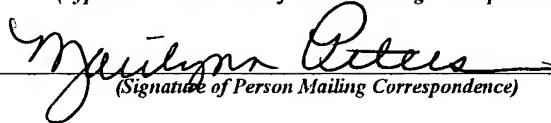
**Transmittal Letter, Response To Notice Of Incomplete Reply (NonProvisional) -  
Submission of Executed Declaration For Volodja Velichanski, Executed Declaration  
and Power of Attorney, Notice Of Incomplete Reply, and Fee Transmittal**

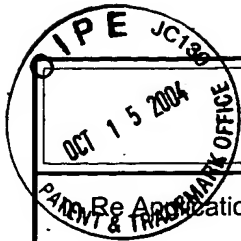
I hereby certify that this

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envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR

1.8(a)] on 10/12/2004*(Date)***Marilynn M. Peterson***(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)***Note: Each paper must have its own certificate of mailing.**



**TRANSMITTAL LETTER**  
**(General - Patent Pending)**

Docket No.  
**121051-0006**

Re Application Of: **John KITCHING, et al**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/821,236	04/08/2004	Unknown	35684	2862	9563

Title:

**MICROMACHINED ALKALI-ATOM VAPOR CELLS AND METHOD OF FABRICATION**

COMMISSIONER FOR PATENTS:

Transmitted herewith is:

**Certificate of Mailing, Response To Notice Of Incomplete Reply (NonProvisional) - Submission Of Executed Declaration For Volodja Velichanski, Executed Declaration and Power of Attorney For Patent Application, Notice of Incomplete Reply (NonProvisional), Petition For Extension of Time Under 37 CFR 1.136(a), and Fee Transmittal**

in the above identified application.

- ☐ No additional fee is required.
- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **12-2136** as described below.
- ☒ Charge the amount of **\$430.00**
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Signature

**Michael S. Gzybowski**

Dated: **10/12/2004**

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10/12/2004	(Date)
Signature of Person Mailing Correspondence	
Marilynn M. Peterson	
Typed or Printed Name of Person Mailing Correspondence	

CC: